

Product datasheet

Specifications



Easy TeSys contactor 4P(4 NO) - AC-1 - ≤ 415 V 25A - 24 V AC coil

LC1E40004B7IN

Main

Range	Easy TeSys
Range of product	Easy TeSys Control
Product or component type	Contactors
Device short name	LC1E
contactor application	Resistive load
Utilisation category	AC-1
poles description	4P
[Ue] rated operational voltage	Power circuit: ≤ 690 V AC 50/60 Hz
[Ie] rated operational current	75 A (at ≤ 40 °C) at ≤ 415 V AC AC-1 for power circuit
[Uc] control circuit voltage	24 V AC 50/60 Hz

Complementary

Pole contact composition	4 NO
Rms rated making capacity	400 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated breaking capacity	320 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	320 A 40 °C - 10 s for power circuit 165 A 40 °C - 60 s for power circuit 72 A 40 °C - 600 s for power circuit
Associated fuse rating	80 A gG at ≤ 690 V coordination type 1 for power circuit conforming to IEC 60947-5-1
Average impedance	1.5 mOhm - Ith 75 A 50 Hz for power circuit
Power dissipation per pole	2.4 W AC-3 5.4 W AC-1
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1
Overvoltage category	III
Pollution degree	3
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
Mechanical durability	5000000 cycles
Electrical durability	350000 cycles AC-1 900000 cycles AC-3
Control circuit type	AC at 50/60 Hz
Control circuit voltage limits	0.85...1.1 U _c (-5...55 °C):operational 50/60 Hz 0.3...0.6 U _c (-5...55 °C):drop-out 50/60 Hz

Inrush power in VA	160 VA 50 Hz cos phi 0.75 (at 20 °C) 140 VA 60 Hz cos phi 0.75 (at 20 °C)
Hold-in power consumption in VA	15 VA 50 Hz cos phi 0.3 (at 20 °C) 13 VA 60 Hz cos phi 0.3 (at 20 °C)
Heat dissipation	6...10 W for control circuit
Operating time	20...26 ms on closing 8...12 ms on opening
Maximum operating rate	1200 cyc/h 60 °C
Connections - terminals	Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 1 2.5...25 mm ² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 2.5...10 mm ² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 2.5...25 mm ² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 2.5...16 mm ² - cable stiffness: solid without cable end
Tightening torque	Control circuit: 1.2 N.m Power circuit: 5 N.m
Insulation resistance	> 10 MOhm for control circuit
mounting support	Plate DIN rail

Environment

IP degree of protection	IP2X conforming to IEC 60529
Protective treatment	TH (pollution degree 3) conforming to IEC 60068
Permissible ambient air temperature around the device	-20...70 °C at U _c -60...80 °C storage -5...55 °C operation
Operating altitude	3000 m
Fire resistance	850 °C conforming to IEC 60695-2-1
Mechanical robustness	Vibrations contactor open (1.5 Gn, 5...300 Hz) Vibrations contactor closed (3 Gn, 5...300 Hz) Shocks contactor open (6 Gn for 11 ms) Shocks contactor closed (7 Gn for 11 ms)
Height	127 mm
Width	85 mm
Depth	110 mm
Net weight	1.3 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11 cm

Package 1 Width	8.5 cm
Package 1 Length	12.7 cm
Package 1 Weight	1300 g
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	9.4 kg
Unit Type of Package 3	P06
Number of Units in Package 3	48
Package 3 Height	150 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	77.2 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)

Offer Marketing Illustration

Product benefits / Features



The image shows a Schneider Easy TeSys Contactor, a three-phase AC contactor. It is a dark grey plastic component with three main terminals on top (labeled 1, 2, 3) and three on the bottom (labeled 4, 5, 6). A central control terminal is also visible. The Schneider logo and 'Easy TeSys Contactor' are printed on the side. The device is mounted on a DIN rail.

Easy TeSys Contactors

Technical Benefits

- 9 sizes cover common applications from 6 to 630A.
- Designed to meet the requirements of Electro-domestic and HVAC applications.
- Various Relay Coil Voltages: A.C.
- It can cover -5°C to 55°C working temperature and mounted by DIN-rail, No derating up to 3000m altitude.
- 2.2kW to 335kW (AC3/400V)
- Multi-standards certified (IEC, CCC, EAC) and Green Premium compliant (RoHs/Reach).

Offer Marketing Illustration

Product benefits / Features



Easy TeSys Contactors
Range Accessories

Mechanical interlock

Auxiliary contact block

Time delay auxiliary contact block

Terminal block

Suppressor module

The image displays six different accessories for Easy TeSys contactors. At the top left is a large black contactor. Below it are: 1) Mechanical interlock: two black plastic components that interlock to prevent simultaneous closing of two contactors. 2) Auxiliary contact block: two black plastic blocks with multiple terminals for adding auxiliary contacts. 3) Time delay auxiliary contact block: a black plastic block with a circular dial for setting a time delay. 4) Terminal block: a black plastic block with multiple terminals for connecting wires. 5) Suppressor module: a tan plastic module with two terminals for suppressing contact arcing.

Offer Marketing Illustration

Product benefits / Features

Easy TeSys Contactors

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Designed for the essential
Deliver the best balance between performance and budget without any compromise on quality
- 

Easy to use
Easier to install and operate with multi-standard screws
- 

Cost-effective
Provides a cost-effective solution to a simple application

